Marshall Electronics

M-LCD7-HDMI

M-LCD7-HDMI-B-C511

M-LCD7-HDMI-B-CE6

M-LCD7-HDMI-B-NEL3

Portable 7″ HDMI TFT LCD Monitor

User Manual

Product Overview

The M-LCD7-HDMI is a 7" high-definition widescreen LCD monitor featuring our completely digital TFT-MegaPixel active matrix LCD platform. This monitor is ideal as a light-weight high resolution viewfinder or focus-assist monitor. Our proprietary digital signal processing features, along with multi-format compatibility, accommodate multiple video formats including NTSC and PAL. The HDMI input also accepts VESA (VGA) standards allowing the display to be used as a computer monitor.

Features

■ **High-Resolution 7" Widescreen Monitor**
The M-LCD7-HDMI features an all-digital TFT-MegaPixel active matrix LCD system with 1,152,000 pixels. The LCD panel features a brightness of 300 cd/m^2 and a contrast ratio of 500:1, making the display ideal in a variety of environments and lighting conditions.

■ **Multi-Format Compatibility**
The M-LCD7-HDMI accommodates multiple video standards with Composite Video, VGA, NTS/PAL, and HDMI inputs.

■ **User-Interchangeable Battery Adapters**
Several battery adapters are available to accommodate a wide variety of professional camcorder and DSLR batteries.

Caution

1. **Please use the attached adapter accessory.**
2. **Do not expose this product to direct sunlight, heat, or humidity.**
3. **For optimal image quality, avoid bright lights while using this product.**
4. **Avoid heavy impact or dropping product on the ground.**
5. **Do not use chemical solutions to clean this product. Simply wipe with a soft clean cloth.**

Unpacking

Carefully unpack the M-LCD7-HDMI monitor and verify that the following items are included:

- ■ **AC model (M-LCD7-HDMI) includes:**
    - ▪ **M-LCD7-HDMI Monitor**
    - ▪ **AC Power Supply**
    - ▪ **HDMI Cable**
    - ▪ **HDNI – MINI HDMI Cable**
    - ▪ **Car Cigarette Adapter**
    - ▪ **Table Stand**
    - ▪ **PC Cable [9-pin VGA Cable]**
    - ▪ **Multi-function input cable [SKS Cable]**
    - ▪ **Camera mount**
    - ▪ **Remote control**
    - ▪ **Operating Instructions**

- ■ **DC model (M-LCD7-HDMI-B-XXX) includes the following additional items:**
    - ▪ **Battery (Canon B511, or Nikon EN-EL3E, or Canon LP-E6)**
    - ▪ **Battery mount**
    - ▪ **Mounting plate**
    - ▪ **Power DC cable**
    - ▪ **Hood**
    - ▪ **Battery charger**

When storing the monitor for extended lengths of time, please remove the battery or unplug the battery from the monitor.

Inspect the unit for any physical damage that may have occurred during shipping. If there is any damage, immediately call Marshall Electronics Customer Service at (800) 800-6608. If you are not located within the continental United States, call +1 (310) 333-0606.

Table of Contents

Product Description

■ **Description of Monitor**
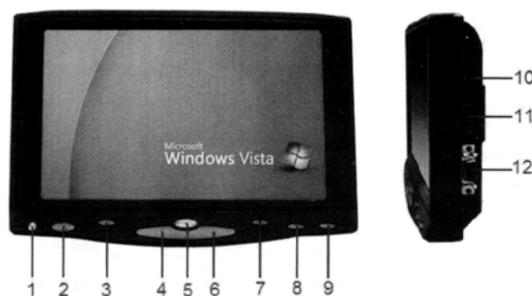
1. Indicator light

2. ⏻: Power on/off

3. AV/PC: AV/PC switch

4. **<**: Volume down or to adjust the value setting function

5. Infrared receiver

6. **>**: Volume up or to adjust the value of setting function

7. MENU: To activate OSD menu

8. **∨**: Selection key, to adjust phase directly

9. **∧**: Selection key, to adjust brightness directly

10. DC12V: DC12V input jack

11. HDMI: HDMI input jack

12. SKS: SKS input jack

Product Description

■ **Remote Control**

1. ⏻: Power on/off
2. ◁: MUTE
3. MENU: To activate OSD Menu
4. <: Volume down, or to adjust the value of setting function
5. >: Volume up, or to adjust the value of setting function
6. ∧: Selection key, the brightness adjustment
7. ∨: Selection key, the phase adjustment
8. ▣/▢: Aspect ratio switch, 4:3 or 16:9
9. U/D: Up/Down Switch
10. L/R: Right/Left Switch
11. AV/PC: AV1/AV2/PC Switch

■ **Matched Cable**

Picture 3 (AV cable)

1. SKS input connector to be connected to SKS input jack on monitor
2. Male 9-pin plug for VGA signal
3. DC12V power
4. Yellow RCA jack for video 1
5. White RCA jack for audio
6. Red RCA jack for video 2

Product Description

Picture 4 (VGA cable)

1. Female 9-pin jack connects to male 9-pin plug on picture 3
2. 15-pin VGA signal input end connects to computer VGA port

■ **Connection**

1. Connect SKS input end of the AV cable (picture 3) into the AV input jack of the monitor.

The other jack of the AV cable should be connected as follows:

2. Male 9-pin plug of picture 3 is connected to female 9-pin jack of picture 4; the VGA signal input end of picture 4 will be connected to the VGA port at the back of the computer. Tighten the screws.
3. Black jack connects to DC12V power
4. Yellow RCA jack connects to video signal 1
5. White RCA jack connects to audio signal
6. Red RCA jack connects to video signal 2

Please use the included DC adapter. (Note that the power consumption should be less or equal to 10W.)

Operating Instructions

Operation

After connecting to power, the unit will be in standby mode (red light). Press the power button on the unit or on the remote control and the buttons of the unit will light up blue. Press the same button again and the unit will return to standby mode. (Note the blue button will shut off 5 or 6 seconds after you turn the unit off.) Push "PC/AV" on the unit or AC/PC on the remote control to switch between AV and PC.

■ **OSD in PC Mode:**
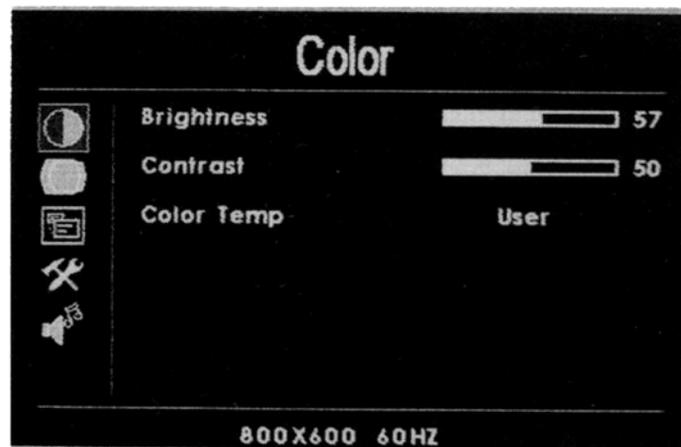

■ **OSD in AV Mode:**
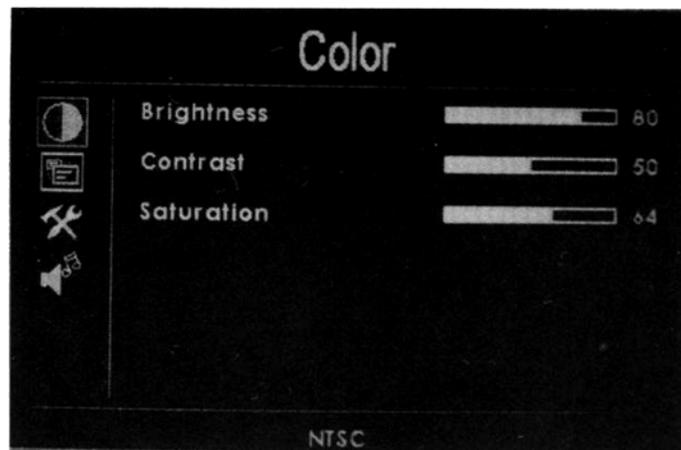
You can press "∧" or "∨" on the unit or on the remote control to select the items: (Color), (Adjust), (Menu), (Edit), (Volume), and confirm by pressing "<" or ">" on the unit or on the remote control. Then push "<" or ">" again to adjust the values. Push "MENU" to exit the OSD after your adjustment.

Operating Instructions

- **Description of OSD:**

    - **In PC mode:**
   (Color)
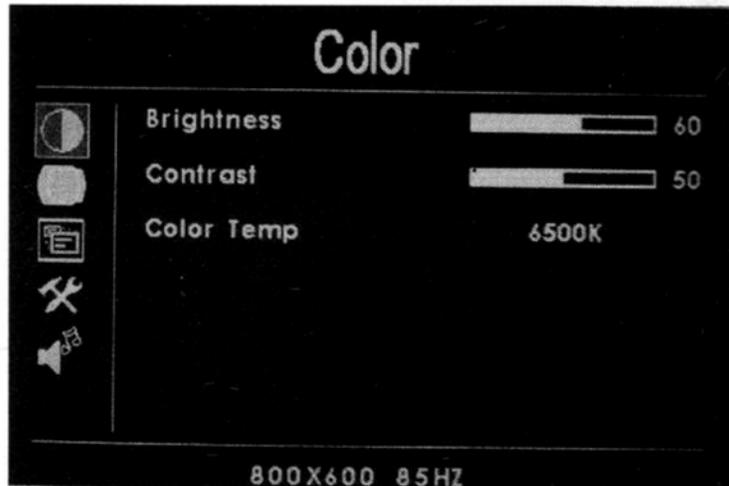
- **In Color mode of OSD, use "∧" or "∨" to select and then push "<" or ">" to adjust.**
    - **Brightness: To adjust the brightness**
    - **Contrast: To adjust the contrast**
    - **Color Temp: To adjust the color temperature**
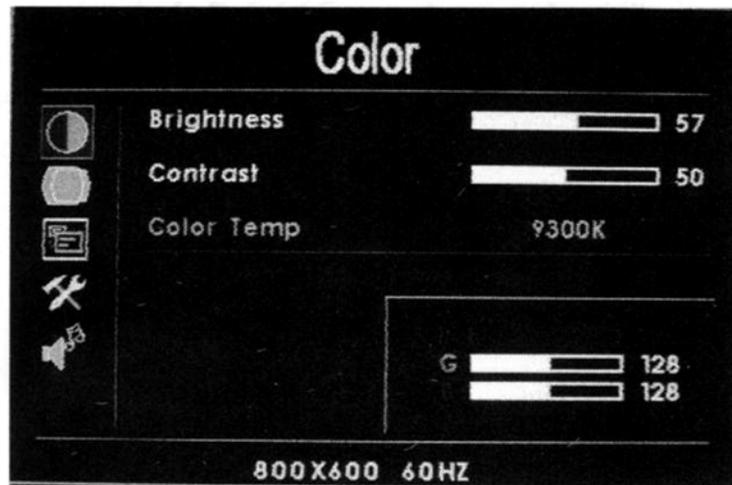
The color temperature of OSD is adjustable. Press "</>" on the unit or on the remote control to select "Color Temp," then choose a color temperature such as 6500 Ks, 7500 Ks or 9300 Ks by pressing "∧" or "∨". You can also adjust color temperature by selecting "USER" and adjusting the RED, GREEN, and BLUE by pushing "<" or ">" until desired color value is achieved.

Operating Instructions

Note: when you select "USER," a mini box will appear on the bottom right corner of the OSD, as pictured below:

■ **(Adjust):**


```
                    Adjust

   ◐    Auto Config

   ▣    H Position      [▬▬▬▬▬▬    ] 50

   ▤    V Position      [▬▬▬▬▬▬    ] 50

   ⚒    Phase           [          ] 0

   🔊    Clock           [▬▬▬▬▬▬    ] 50


              800X600  60HZ
```
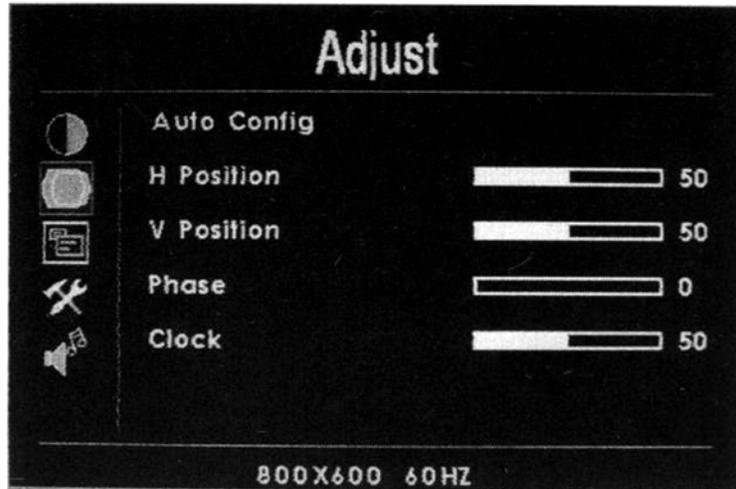
▪ **Auto Config: To automatically adjust to factory default setting**
If the auto adjust is not satisfactory, use manual adjust.

▪ **H Position: To adjust the picture horizontally**
▪ **V Position: To adjust the picture vertically**
▪ **Phase: To adjust the phase**
▪ **Clock: To adjust the clock for field and line synchronization**

■ **(OSD):**


```
                    OSD

   ◐    Language          English

   ▣    H Position     [▬▬▬▬▬    ] 50

   ▤    V Position     [▬▬▬▬▬    ] 50

   ⚒    OSD Timeout       Off

   🔊    Transparent       Off


              800X600  60HZ
```
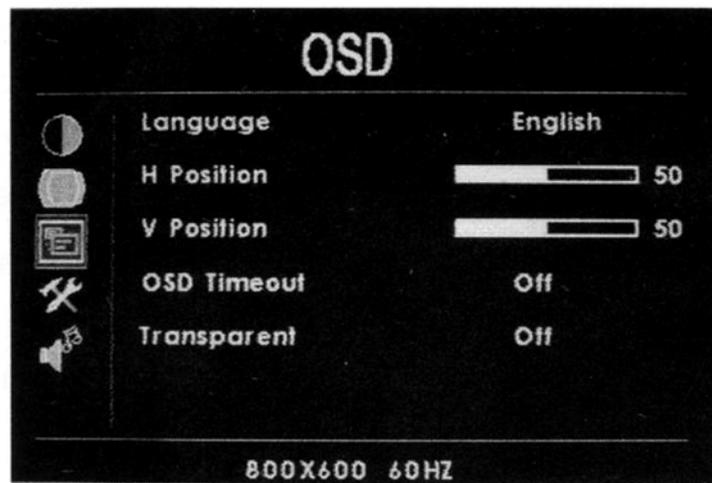
Operating Instructions

- **Language: language selection:**

    - **H Position: To adjust the picture in horizontal**
    - **V Position: To adjust the picture in vertical**
    - **OSD Time out: To adjust the clock**
    - **Transparent: To adjust the level of transparency**

- **(Function):**
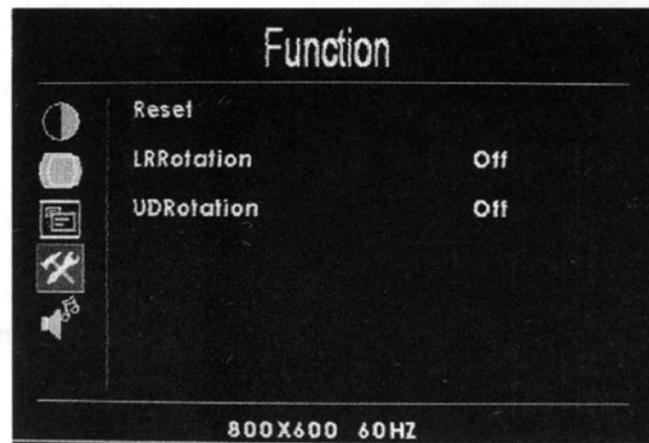
    - **Reset: Back to the original factory setting**
    - **Display Ratio: To change the display ratio: 16:9, 4:3**
    - **LR Rotation: To change the picture left/right**
   - **UD Rotation: To change the picture up/down**

- **Sound**
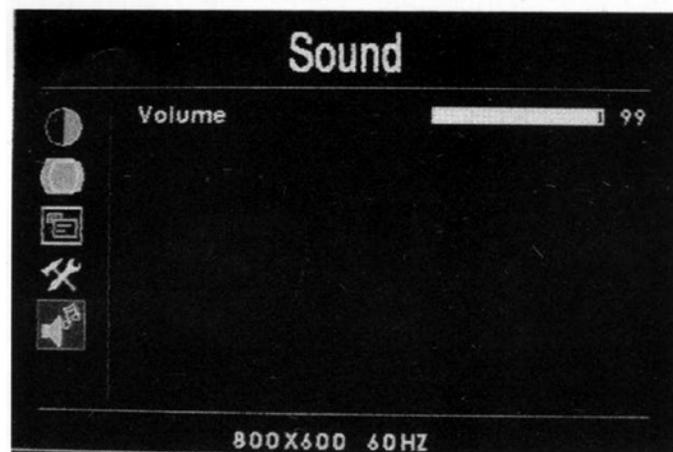
Volume: To adjust the volume.

Operating Instructions

- **In AV mode:**
- **Color:**
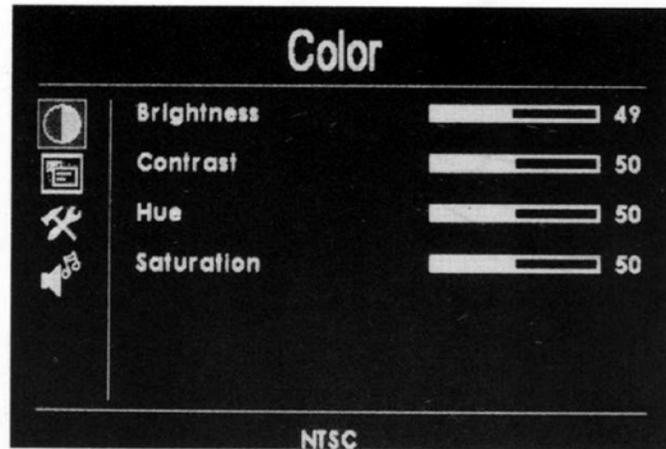
- **Brightness: To adjust the brightness**
- **Contrast: To adjust the contrast**
- **Hue: To adjust the hue in NTSC mode**
- **Saturation: To adjust the saturation**

- **OSD:**
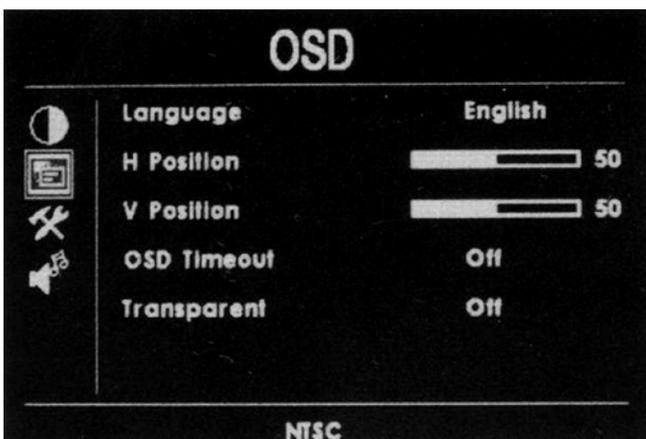
- **Language: 8 languages for OSD as shown above:**

- **H Position: To adjust the picture in horizontal**
- **V Position: To adjust the picture in vertical**
- **OSD Time out: To adjust the clock**
- **Transparent: To adjust the level of transparency**

Operating Instructions

■ **Function:**
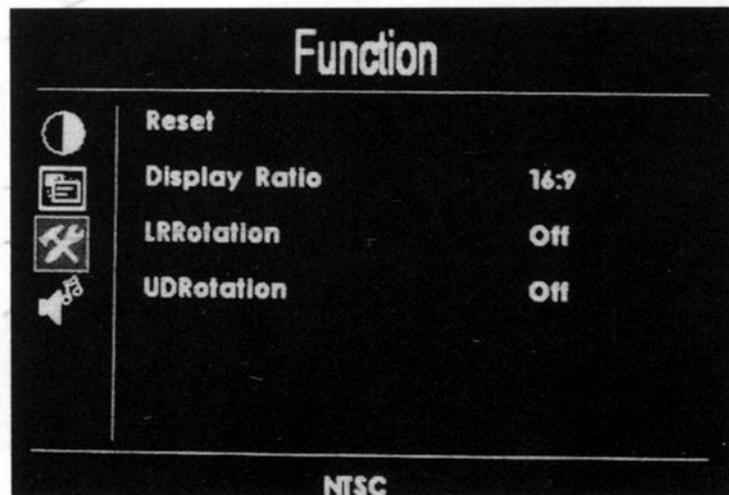
- **Reset: Manufacturer default setting**
- **Display Ratio: To change the display ratio: 16:9, 4:3**
- **LR Rotation: To change the picture (mirror image flip)**
- **UD Rotation: To change the picture up/down**

■ **Sound:**
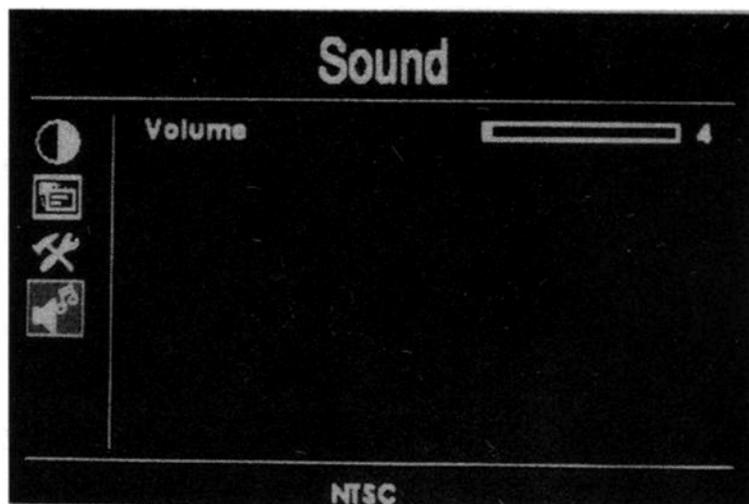
Volume: To adjust the volume

Specifications

Specifications

	M-LCD7-HDMI
Display Panel	TFT LCD 7″ 1152000 Pixels
Resolution	800x480 (VGA)
Up Resolution	1920x1440 (VGA)
Brightness	300 cd/m^2
Contrast	500:1
Viewing Angle	70° /70°, 50° /60° (L/R, U/D)
Video Signal Input	0.7 ~ 1.4Vp-p/75 Ohms
VGA Signal Input	H:30 ~ 60kHz V:60 ~ 75Hz
Speaker	≥ 250mW/8 Ohms
Color System	PAL -4.43; NTSC -3.58
Voltage	DC12V ± 10%
Signal Input	PC (VGA) AV1, AV2 (HDNI 619 optional)
Power Consumption	≤ 6w
Work Temperature	-20 ~ 55°C
Store Temperature	-30 ~ 65°C
Size (mm)	188(L) x 129(W) x 40(H)
Weight (w/o battery)	12 oz.

Battery Compatibility

7-BP970G-CM   Canon BP-970G Battery assembly

7-BN-V438U-JM   JVC BN-V438U Battery assembly

7-CGS-D54-PM   Panasonic CGA-D54 Battery assembly

7-VW-VBG6-PV   Panasonic VW-VBG6 Battery assembly

7-NP-QM91-SM   Sony NP-QM91 Battery assembly

7-NP-F970-SL   Sony NP-F970 Battery assembly

Troubleshooting

Troubleshooting

- **Only black and white image**
    - Adjust the levels of color saturation and brightness

- **Power on but no picture**
    - Make sure the AV and VGA cable are secure from the video out connector & VGA signal output connector. Make sure you are using the standard power adapter included with the monitor.

- **Wrong or abnormal colors**
    - If any color is missing, check the cables to make sure they are securely connected. Broken or loose pins in the cable connector can cause a bad connection.

- **Remote control doesn't work**
    - Check that the battery is installed properly. Also make sure the battery is not low. Make sure the signal is not being blocked by obstructions.

- **Battery drain while the monitor is off**
    - Unplug the battery cable
    - Remove the battery

- **Other problems**
    - If intermittent image occurs, it may be that the VGA signal frequency isn't matched with normal standard.
    - It is a normal for some bright lines to appear on screen when you turn the unit.

Warranty

Marshall Electronics warranties to the first consumer that this M-LCD7-HDMI LCD monitor will, under normal use, be free from defects in workmanship and materials, when received in its original container, for a period of one year from the purchase date. This warranty is extended to the first consumer only, and proof of purchase is necessary to honor the warranty. If there is no proof of purchase provided with a warranty claim, Marshall Electronics reserves the right not to honor the warranty set forth above. Therefore, labor and parts may be charged to the consumer. This warranty does not apply to the product exterior or cosmetics. Misuse, abnormal handling, alterations or modifications in design or construction void this warranty. It is considered normal for a minimal amount of pixels, not to exceed three, to fail on the periphery of the display active viewing area. Marshall Electronics reserves the option to refuse service for display pixel failure if deemed unobtrusive to effective use of the monitor by our technicians. No sales personnel of the seller or any other person is authorized to make any warranties other than those described above, or to extend the duration of any warranties on behalf of Marshall Electronics, beyond the time period described above. Due to constant effort to improve products and product features, specifications may change without notice.